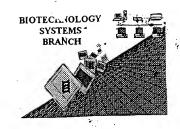# RAW SEQUENCE LISTING
ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: _09/766 442_

Source: _OIPE_

Date Processed by STIC: _08/16/2001_

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.
PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:
1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY
FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.
PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)
PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE <u>CHECKER</u> <u>VERSION 3.0 PROGRAM</u>, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW:

Checker Version 3.0

The Checker Version 3.0 application is a state-of-the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 – 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.
Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO). Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

<u>Checker Version 3.0 can be down loaded from the USPTO website at the following address:</u>
http://www.uspto.gov/web/offices/pac/checker

Raw Sequence Listing Error Summary

ERROR DETECTED **SUGGESTED CORRECTION**   SERIAL NUMBER: $09/766442$

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

1_____Wrapped Nucleics The number/text at the end of each line "wrapped" down to the next line. This may occur if your file
 Wrapped Aminos· was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will
  prevent "wrapping."

2_____Invalid Line Length The rules require that a line not exceed 72 characters in length. This includes white spaces.

3_____Misaligned Amino The numbering under each 5th amino acid is misaligned. Do not use tab codes between numbers;
 Numbering use space characters, instead.

4_____Non-ASCII The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please
  ensure your subsequent submission is saved in ASCII text.

5_____Variable Length Sequence(s)____contain n's or Xaa's representing more than one residue. Per Sequence Rules,
  each n or Xaa can only represent a single residue. Please present the maximum number of each
  residue having variable length and indicate in the <220>-<223> section that some may be missing.

6_____PatentIn 2.0 A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid
 "bug" sequences(s) _____. Normally, PatentIn would automatically generate this section from the
  previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to
  the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for
  Artificial or Unknown sequences.

7_____Skipped Sequences Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence:
 (OLD RULES) (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
  (i)   SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)
  (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
  This sequence is intentionally skipped

  Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.

8_____Skipped Sequences Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence.
 (NEW RULES)· <210> sequence id number
  <400> sequence id number
  000

9_____Use of n's or Xaa's Use of n's and/or Xaa's have been detected in the Sequence Listing.
 (NEW RULES) Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.
  In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.

10_____Invalid <213> Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or
 Response scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or
  is Artificial Sequence

11 ✓ Use of <220> Sequence(s) __7 1__ missing the <220> "Feature" and associated numeric identifiers and responses.
  Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or
  "Unknown." Please explain source of genetic material in <220> to <223> section.
  (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)

12_____PatentIn 2.0 Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file,
 "bug" resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence
  listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.

AMC – Biotechnology Systems Branch – 06/04/2001

The type of errors shown *may* exist throughout
the Sequence Listing. Please check subsequent
sequences for similar errors.

OIPE

```
          RAW SEQUENCE LISTING                   DATE: 08/16/2001
          PATENT APPLICATION:  US/09/766,442     TIME: 12:50:29

          Input Set : A:\00023546.txt
          Output Set: N:\CRF3\08162001\I766442.raw

      3 <110> APPLICANT: Audonnet, Jean-Christophe
      5 <120> TITLE OF INVENTION: IMPROVED DNA VACCINES FOR FARM ANIMALS,
      6       IN PARTICULAR BOVINES AND PROCINES
      8 <130> FILE REFERENCE: 454313-3154.2
     10 <140> CURRENT APPLICATION NUMBER: 09/766,442
C--> 11 <141> CURRENT FILING DATE: 2001-01-19
     13 <160> NUMBER OF SEQ ID NOS: 106
     15 <170> SOFTWARE: PatentIn version 3.0
     17 <210> SEQ ID NO: 1
     18 <211> LENGTH: 40
     19 <212> TYPE: DNA
     20 <213> ORGANISM: Artificial Sequence
     22 <220> FEATURE:
     23 <223> OTHER INFORMATION: oligonucleotide
     25 <400> SEQUENCE: 1
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     29 <210> SEQ ID NO: 2
     30 <211> LENGTH: 40
     31 <212> TYPE: DNA
     32 <213> ORGANISM: Artificial Sequence
     34 <220> FEATURE:
     35 <223> OTHER INFORMATION: oligonucleotide
     37 <400> SEQUENCE: 2
     38 gatccgcggc cgcgaattcg atatcctcta gacacgtgct                40
     41 <210> SEQ ID NO: 3
     42 <211> LENGTH: 20
     43 <212> TYPE: DNA
     44 <213> ORGANISM: Artificial Sequence
     46 <220> FEATURE:
     47 <223> OTHER INFORMATION: oligonucleotide
     49 <400> SEQUENCE: 3
     50 ttggggaccc ttgattgttc                                      20
     53 <210> SEQ ID NO: 4
     54 <211> LENGTH: 21
     55 <212> TYPE: DNA
     56 <213> ORGANISM: Artificial Sequence
     58 <220> FEATURE:
     59 <223> OTHER INFORMATION: oligonucleotide
     61 <400> SEQUENCE: 4
     62 ctgtaggaaa aagaagaagg c                                    21
     65 <210> SEQ ID NO: 5
     66 <211> LENGTH: 30
     67 <212> TYPE: DNA
     68 <213> ORGANISM: Artificial Sequence
     70 <220> FEATURE:
     71 <223> OTHER INFORMATION: oligonucleotide
     73 <400> SEQUENCE: 5
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Does Not Comply
Corrected Diskette Needed
See page 6 of 7A

Errored
Chuck Proulette
8/16/01

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 74 ctccatgtcg acttggggac ccttgattgt                            30
 77 <210> SEQ ID NO: 6
 78 <211> LENGTH: 30
 79 <212> TYPE: DNA
 80 <213> ORGANISM: Artificial Sequence
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 83 <223> OTHER INFORMATION: oligonucleotide
 85 <400> SEQUENCE: 6
 86 ctccatgtcg acctgtagga aaaagaagaa                            30
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 90 <211> LENGTH: 30
 91 <212> TYPE: DNA
 92 <213> ORGANISM: Artificial Sequence
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 95 <223> OTHER INFORMATION: oligonucleotide
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104 <213> ORGANISM: Artificial Sequence
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107 <223> OTHER INFORMATION: oligonucleotide
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126 <211> LENGTH: 56
127 <212> TYPE: DNA
128 <213> ORGANISM: Artificial Sequence
130 <220> FEATURE:
131 <223> OTHER INFORMATION: oligonucleotide
133 <400> SEQUENCE: 10
134 gatcctcagt ccgtcttgac cacgcggtca atgtcgtaga accggagctc gtgcag    56
137 <210> SEQ ID NO: 11
138 <211> LENGTH: 39
139 <212> TYPE: DNA
140 <213> ORGANISM: Artificial Sequence
142 <220> FEATURE:
143 <223> OTHER INFORMATION: oligonucleotide
145 <400> SEQUENCE: 11
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152 <213> ORGANISM: Artificial Sequence
154 <220> FEATURE:
155 <223> OTHER INFORMATION: oligonucleotide
157 <400> SEQUENCE: 12
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162 <211> LENGTH: 37
163 <212> TYPE: DNA
164 <213> ORGANISM: Artificial Sequence
166 <220> FEATURE:
167 <223> OTHER INFORMATION: oligonucleotide
169 <400> SEQUENCE: 13
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174 <211> LENGTH: 37
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176 <213> ORGANISM: Artificial Sequence
178 <220> FEATURE:
179 <223> OTHER INFORMATION: oligonucleotide
181 <400> SEQUENCE: 14
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186 <211> LENGTH: 43
187 <212> TYPE: DNA
188 <213> ORGANISM: Artificial Sequence
190 <220> FEATURE:
191 <223> OTHER INFORMATION: oligonucleotide
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199 <212> TYPE: DNA
200 <213> ORGANISM: Artificial Sequence
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210 <211> LENGTH: 39
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212 <213> ORGANISM: Artificial Sequence
214 <220> FEATURE:
215 <223> OTHER INFORMATION: oligonucleotide
217 <400> SEQUENCE: 17
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221 <210> SEQ ID NO: 18
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                    RAW SEQUENCE LISTING                    DATE: 08/16/2001
                    PATENT APPLICATION:  US/09/766,442      TIME: 12:50:29

                    Input Set : A:\00023546.txt
                    Output Set: N:\CRF3\08162001\I766442.raw

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224 <213> ORGANISM: Artificial Sequence
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227 <223> OTHER INFORMATION: oligonucleotide
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235 <212> TYPE: DNA
236 <213> ORGANISM: Artificial Sequence
238 <220> FEATURE:
239 <223> OTHER INFORMATION: oligonucleotide
241 <400> SEQUENCE: 19
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248 <213> ORGANISM: Artificial Sequence
250 <220> FEATURE:
251 <223> OTHER INFORMATION: oligonucleotide
253 <400> SEQUENCE: 20
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259 <212> TYPE: DNA
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263 <223> OTHER INFORMATION: oligonucleotide
265 <400> SEQUENCE: 21
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272 <213> ORGANISM: Artificial Sequence
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283 <212> TYPE: DNA
284 <213> ORGANISM: Artificial Sequence
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287 <223> OTHER INFORMATION: oligonucleotide
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293 <210> SEQ ID NO: 24
294 <211> LENGTH: 35
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RAW SEQUENCE LISTING   DATE: 08/16/2001
PATENT APPLICATION: US/09/766,442   TIME: 12:50:29

Input Set : A:\00023546.txt
Output Set: N:\CRF3\08162001\I766442.raw

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296 <213> ORGANISM: Artificial Sequence
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311 <223> OTHER INFORMATION: oligonucleotide
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323 <223> OTHER INFORMATION: oligonucleotide
325 <400> SEQUENCE: 26
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330 <211> LENGTH: 32
331 <212> TYPE: DNA
332 <213> ORGANISM: Artificial Sequence
334 <220> FEATURE:
335 <223> OTHER INFORMATION: oligonucleotide
337 <400> SEQUENCE: 27
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343 <212> TYPE: DNA
344 <213> ORGANISM: Artificial Sequence
346 <220> FEATURE:
347 <223> OTHER INFORMATION: oligonucleotide
349 <400> SEQUENCE: 28
350 ttaaaatcta gattagatct gtgtagttga ttgatttg                   38
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355 <212> TYPE: DNA
356 <213> ORGANISM: Artificial Sequence
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361 <400> SEQUENCE: 29
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365 <210> SEQ ID NO: 30
366 <211> LENGTH: 33
367 <212> TYPE: DNA
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Errored: Field 223 is mandatory

<210> 71

<211> 30

<212> DNA

<213> Artificial Sequence Sequence

<400> 71

The type of errors shown may exist throughout
the Sequence Listing. Please check subsequent
sequences for similar errors.